

Appln. No. 09/634,552

Amdt dated June 13, 2003

Reply to Office action of March 13, 2003

REMARKS/ARGUMENTS

In the Office action dated March 13, 2003, the claims were subject to a restriction requirement and all of the provisionally elected claims, namely claims 1 - 129, were rejected. Claims 1 - 29, 32 - 48, 51 - 83, 85 - 128 were rejected under 35 U.S.C. 102(e) as being anticipated by Meador et al., U.S. Patent 5,953,640. Claims 30, 31, 49, 50, 84 and 129 were rejected under 35 U.S.C. 103(a) as being unpatentable over Meador et al. By this amendment, Applicant is amending claims 1, 32, 51, 85 and 112, canceling claims 130 - 163, without prejudice, and adding claims 164 - 174. Accordingly, claims 1 - 129 and 164 - 174 are now pending in this application.

Response to the Restriction Requirement

Applicants formally elect to prosecute claims 1 - 129 in response to the Restriction Requirement. Applicants hereby formally cancel claims 130 - 163 in this application, without prejudice.

Response to the Rejection of the Claims Under 35 U.S.C. § 102

Claims 1 - 29, 32 - 48, 51 - 83, 85 - 128 were rejected under 35 U.S.C. 102(e) as being anticipated by Meador et al. U.S. Patent 5,953,640 ("Meador"). Claims 1, 32, 51, 85 and 112 are independent. As to these claims the Office action states at page 3:

As pertaining to claims 1, 32, 51, 66, 85 and 112, Meador teaches a method an apparatus for wireless communications using a receiver, transmitter and local oscillator, comprising:

programming a frequency of a clock in the local oscillator (see Meador, col. 4 lines 44-50);

receiving a first signal at the receiver from a wireless source (see Meador, col. 2 lines 25-29);

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downconverting the received first signal with the clock (see Meador, col. 3 lines 23-22);

upconverting a second signal with the clock (see Meador, col. 4 lines 38-50); and

transmitting the upconverted second signal from the transmitter into space (see Meador, col. 4 lines 38-43).

Amended independent claims 1, 32, 51, 85 and 112 relate to "programming" the transceiver or parts thereof "to process communication protocol for a local area network or a personal area network."

In contrast, Meador et al. discloses a transceiver integrated circuit that has "on-chip interfaces" that "are configurable to couple an off-chip processing circuit to substitute for a corresponding on-chip circuit." See the Meador et al. Abstract. As discussed in conjunction with Figure 1B, Meador et al. includes a SPI register 126 that controls a LO synthesizer, TX audio, RX BW, RX audio and squelch. Thus, the programming disclosed in Meador et al. does not involve "programming . . . to process communication protocol for a local area network or a personal area network."

Accordingly, Meador et al. does not teach or suggest the inventions claimed in independent claims 1, 32, 51, 85 and 112. It follows then that Meador et al. also does not teach or suggest the inventions of claims 1 - 31, 33 - 50, 52 - 84, 86 - 111 and 113 - 128 that depend on independent claims 1, 32, 51, 85 and 112.

Response to the Rejection of the Claims Under 35 U.S.C. § 103

Claims 30, 31, 49, 50, 84 and 129 were rejected under 35 U.S.C. 103(a) as being unpatentable over Meador et al. All of these claims are dependent claims.

All of the rejected claims depend on one of independent claims 1, 32, 51 or 112. Since, as discussed above, Meador et al. does not

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teach or suggest the inventions claimed in these independent claims 1, 32, 51 and 112, Meador et al. does not teach or suggest the inventions of claims 30, 31, 49, 50, 84 and 129.

New Claims 164 - 168

Claims 164 - 168 depend on independent claim 1. Since, as discussed above, Meador et al. does not teach or suggest the invention claimed in independent claim 1, Meador et al. does not teach or suggest the inventions of claims 164 - 168.

New Claims 169 - 171

New independent claims 169 recites, in part: "programming one of the receiver and the transmitter to compensate for noise or interference."

In contrast, Meador et al. discloses a transceiver integrated circuit that has "on-chip interfaces" that "are configurable to couple an off-chip processing circuit to substitute for a corresponding on-chip circuit." See the Meador et al. Abstract. As discussed in conjunction with Figure 1B, Meador et al. includes a SPI register 126 that controls a LO synthesizer, TX audio, RX BW, RX audio and squelch. Thus, the programming disclosed in Meador et al. does not involve "programming one of the receiver and the transmitter to compensate for noise or interference." Accordingly, Meador et al. does not teach or suggest the invention of claim 169.

Claims 170 and 171 depend on independent claim 169. Since, as discussed above, Meador et al. does not teach or suggest the invention claimed in independent claim 169, Meador et al. does not teach or suggest the inventions of claims 170 and 171.

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New Claims 172 - 174

New independent claims 172 recites, in part: "programming one of the receiver and the transmitter to control at least one parameter of the transceiver to compensate for process variation or temperature variation."

In contrast, Meador et al. discloses a transceiver integrated circuit that has "on-chip interfaces" that "are configurable to couple an off-chip processing circuit to substitute for a corresponding on-chip circuit." See the Meador et al. Abstract. As discussed in conjunction with Figure 1B, Meador et al. includes a SPI register 126 that controls a LO synthesizer, TX audio, RX BW, RX audio and squelch. Thus, the programming disclosed in Meador et al. does not involve "programming one of the receiver and the transmitter to control at least one parameter of the transceiver to compensate for process variation or temperature variation." Moreover, Meador et al. does not even address the issue of "process variation." Finally, although Meador et al. does disclose temperature compensation 193 in Figure 1B, Meador et al. does not teach or suggest programming anything to "compensate for . . . temperature variation." Accordingly, Meador et al. does not teach or suggest the invention of claim 172.

Claims 173 and 174 depend on independent claim 172. Since, as discussed above, Meador et al. does not teach or suggest the invention claimed in independent claim 172, Meador et al. does not teach or suggest the inventions of claims 173 and 174.

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Conclusion

For the foregoing reasons, Applicants submit that all claims are allowable over the cited references. Accordingly, Applicants respectfully request allowance of this application.

Respectfully submitted,

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